

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/BR 2004/000107

## A. CLASSIFICATION OF SUBJECT MATTER

IPC<sup>7</sup>: H04B 1/707, H04M 1/725, H04L 27/233

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC<sup>7</sup>: H04B, H04M, H04L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

WPI, EPODOC, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4 365 327 A (PIRANI, G.) 21 December 1982 (21.12.1982) <i>abstract, figures 1-5; column 2, lines 1-52; column 3, line 21 - column 4, line 18.</i>	1, 2
Y	--	3
Y	US 5 140 610 A (HOLLIDAY, E.M. et al.) 18 August 1992 (18.08.1992) <i>abstract, figures 1, 3; column 2, line 47 - column 3, line 31.</i>	3
Y	WO 1999/034528 A2 (KONINKLIJKE PHILIPS ELECTRONICS N.V.) 8 July 1999 (08.07.1999) <i>abstract, figures 2, 3, 5-8; page 6, line 1 - page 7, line 13.</i>	3
	--	

☒ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

\* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search  
20 October 2004 (20.10.2004)

Date of mailing of the international search report  
5 November 2004 (05.11.2004)

Name and mailing address of the ISA/ AT  
**Austrian Patent Office**  
Dresdner Straße 87, A-1200 Vienna

Authorized officer  
LOIBNER K.

Facsimile No. +43 / 1 / 534 24 / 535

Telephone No. +43 / 1 / 534 24 / 323

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/BR 2004/000107

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	GB 2 276 794 A (ROKE MANOR RESEARCH LTD.) 5 October 1994 (05.10.1994) <i>abstract, figures 2, 3; page 1, line 17 - page 3, line 6; page 3, line 24 - page 6, line 4.</i>	1
X	— EP 0 484 065 A2 (AMERICAN TELEPHONE AND TELEGRAPH COMPANY) 6 May 1992 (06.05.1992) <i>abstract, figures 1-4, 9; page 3, line 7 - page 4, line 42; page 5, lines 15-31.</i>	1
A	— US 5 872 806 A (ENDERLEIN, J. et al.) 16 February 1999 (16.02.1999) <i>abstract, figures 1A, 1B, 2A, 2B; column 3, line 66 - column 4, line 22; column 4, line 38 - column 5, line 20; column 6, line 15 - column 7, line 28.</i>	1-3
	—	

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/BR 2004/000107

Patent document cited in search report			Publication date		Patent family member(s)		Publication date	
EP	A	484065			KR	B	210321	1999-07-15
					DE	T	69123942T	1997-04-30
					US	A	5150377	1992-09-22
					ES	T	2095302T	1997-02-16
					EP	A	0484065	1992-05-06
					DE	D	69123942D	1997-02-13
GB	A	2276794	1994-10-05		none			
US	A	4365327	1982-12-21		IT	B	1119972	1986-03-19
US	A	5140610	1992-08-18		none			
US	A	5872806	1999-02-16		JP	A	9162781	1997-06-20
					EP	A	0762663	1997-03-12
					DE	A	19529477	1997-02-13